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Document ID: JP 2771863 B2

Title: DIRECT RESOLUTION OF BETA-HYDROXYCARBOXYLIC ACID
DERIVATIVE

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US Class:

Int'l Class: [6] C07C 69/675 A; C07C 67/48 B; C07C 231/20 B; C07C 235/04 B;
C07C 327/22 B; C07B 57/00 -; C07M 7/00 Z

Issue Date: 07/02/1998

Filing Date: 09/25/1989

Abstract:

PURPOSE: To readily and rapidly determine the optical purity of the subject compound useful as a raw material of an intermediate of medicines and optically active functional materials by carrying out direct optical resolution of an enantiomer of the subject compound using a separating agent composed of a polysaccharide or a derivative thereof as the active component.

CONSTITUTION: Using a separating agent composed of a polysaccharide (preferably homoglucane having high regularity and constant type of bond, especially cellulose, amylose, β-1,4-chitosan, etc., capable of ready preparation of high- purity polysaccharide) or a derivative thereof in which H on the hydroxyl groups is partially or wholly, preferably in an amount of ≥85%, substituted with another atomic group as the active component, an enantiomer of a compound of the formula (R1 is alkyl or nonsubstituted or substituted aromatic group; X is acyloxy, aryloxy, alkylthio, arylthio or non-substituted, mono- or disubstituted amino) is directly optically separated by the liquid chromatography, etc.

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NOTE: This Registered Patent Specification (Toroku) results from Published Japanese Application (Kokai) 03-109351 A2.